Earthdata UTC Meeting 01.24.2017

Gotomeeting link: https://global.gotomeeting.com/join/862833445

Phone number: 1-844-467-6272,   Passcode 184979#

Meeting ID: 862-833-445

1. Attendance

Please make a comment at the bottom of this agenda to record your attendance.

2. EMS Status

Nelson Casian**o**

- **Upcoming/Ongoing Activities with Data Providers**
  - Problem ingesting URS Data into EMS
    - We have determined that the issue is related to Oracle retrieving and ingesting the URS LDAP data.
    - We have implemented a fix that will be delivered with EMS 1.5.1.1.
    - We appreciate the support from the Earthdata Login team in helping us troubleshoot the issue.
  - EMS Release 1.5.1.1
    - This release will include improvements to country resolution, performance improvement, and the fix for URS data ingest.
    - We continue testing this release in UAT. Deployment to production: 8 February 2017.
    - After deployment into production, we will reprocess all FY 2017 distribution logs.
  - CDDIS
    - CDDIS has not delivered any logs to EMS since November 29 due to their changing to a new system. We have received notice that the new system will be sending logs to EMS in the near future.
  - Data Relevancy Reports
    - EMS will be working with CMR to provide data relevancy reports.
  - EMS to Data Providers ICD - we plan to send this out for Data Provider review in early February 2017.
  - Monthly meetings with Data Providers:
    - We would like to begin setting up monthly one-on-one meetings with Data Providers
    - Topics could include new data products, issues, upcoming activities, and any other items of interest to the Data Provider.   We will be contacting Data Providers in the next couple of weeks for scheduling.

3. Earthdata Login

Peter Smith

- **URS Integration Information on SSO and the API's can be found on** Wiki
- **DAAC On-boarding Status and Integration Schedule can be found on** Wiki
  - Please get in touch (Peter Smith) if you are having trouble accessing any of the Wiki areas.
- **URS4 Development**
  - In Production (Release 4.60)
- Earthdata Login public wiki
  - WARNING: Changes to API user search function.
  - *** New auto-authorization ***

Ticket Status

Ticket	Sprint
URSFOUR-781 - Add client_id to Groups api and return with groups info along with app id.	PI4.1,4.2
URSFOUR-780 - Allow EL to redirect user back to application after a number of failed login attempts	
URSFOUR-779 - Investigate GrADS integration with Earthdata Login enabled services	
URSFOUR-778 - Add an users api call to return NAMS AUID for an existing EL user if exists	PI4.2
URSFOUR-777 - Add capability for linking NAMS AUID to an existing EL userid through users API	PI4.2
URSFOUR-771 - Update oauth token validation for grouped applications when a token is shared	
URSFOUR-767 - Improve the Terms of Service agreement on user registration page	PI4.1,4.2
URSFOUR-763 - As ESDIS I want to meet with the EMS team and determine if we can use EL to improve the EMS visual metrics.	PI4.1
URSFOUR-757 - Need to prompt for required groups during app creation.	
URSFOUR-756 - Auto Authorize ESDIS apps irrespective of scope(public or otherwise)	PI3.4,4.1

URSFOUR-754 - Redesign 'My Applications' page and User profile sub navigation	
URSFOUR-753 - Global receive email option flag to be used as default option during application auto authorization.	PI3.4
URSFOUR-752 - Return application specific receive email option flag for the user along with user profile information (API)	PI3.4
URSFOUR-751 - Provide an option for the user to opt out of all application related email at a global level (user profile)	PI3.4
URSFOUR-745 - User services should be able to look up users (UI)	PI3.3
URSFOUR-744 - A user should be able to view all the user groups they belong to. (UI)	PI3.1
URSFOUR-743 - Return user groups information along with user profile info (API)	PI3.1
URSFOUR-733 - An application can list all the users in a group (API)	PI3.1
URSFOUR-732 - Provide URS4 api for an application to retrieve all the groups a user belongs to (API)	PI2.4
URSFOUR-731 - Provide URS4 Api to add user to a group by an application (API)	PI3.1
URSFOUR-730 - An application admin should be able to retrieve all the groups a user belongs to (UI)	PI3.1

URSFOUR-729 - Application admin can view a list of all user groups for the application (UI+API)	PI2.4
URSFOUR-728 - An application admin can add and delete a user from a user group (UI)	PI2.4
URSFOUR-727 - An application admin can create and edit a new user group (UI)	PI2.4
URSFOUR-725 - Too many email delivery failures	
URSFOUR-724 - Use human-readable field names (as used in field labels) instead of machine names like "study_area" in the banner/alert that shows up when additional profile fields are required.	PI2.3
URSFOUR-723 - Highlight missing app required user fields in user profile edit page on redirect	PI2.3
URSFOUR-720 - Add a count of the number of applications a user has authorized to the user profile information returned from the API.	
URSFOUR-715 - Support HEAD authentication requests	
URSFOUR-713 - URS cookies contain invalid Expires timezone	PI2.4
URSFOUR-705 - An application should be able to redirect to ED Login for additional EULA/Sentinel authorizations	PI2.2
URSFOUR-704 - Add 'Application' as user type options for user profile	PI2.1

URSFOUR-701 - Accept both username and email at the login	
URSFOUR-698 - Implement unauthorized access to public user profile data	PI2.2
URSFOUR-697 - Determine which user profile fields should be public, and which should require authorization	PI2.3
URSFOUR-695 - Update LDAP Application model to store required user profile attributes	PI2.1
URSFOUR-694 - Provide capability to support application required user profile attributes during application authorization	PI2.1
URSFOUR-693 - Provide the ability to add/edit application required fields during application registration	PI2.1
URSFOUR-690 - want a list of all the applications I can authorize, with descriptions	PI1.1
URSFOUR-686 - URS appends form parameters to URL when clicking on 'Register' link	PI1.4
URSFOUR-683 - An application should be able to determine if a user is in a given group	PI1.1

4. Earthdata

Katherine Kelly

ECC Discussion
Discussion the future of the ECC and how to support open-sourced projects

Earthdata Developer Portal
Add search capability to the Earthdata Developer Portal.
Adding autocomplete/suggestions for searching.

Study for the Migration of CDN content to NGAP
Create proof of concept for CDN-architecture in AWS. S3 Bucket and test CloudFront set up and communicating.

Launchpad Integrations
Submitting NAMS and LIT requests for Status App
URS adding helpers for User Migration

ED Login
Deploying a change to the URS LDAP Schema on 02/02/17

Current Earthdata Tickets

Key	Summary	Type	Created	Updated	Due	Assignee	Reporter	Priority	Status	Resolution

⚠ JIRA project doesn't exist or you don't have permission to view it.

View these issues in JIRA

5. User Support Tool

Catalino Cuadrado

Recent Metrics

Kayako Overall Last 9 Months Tickets
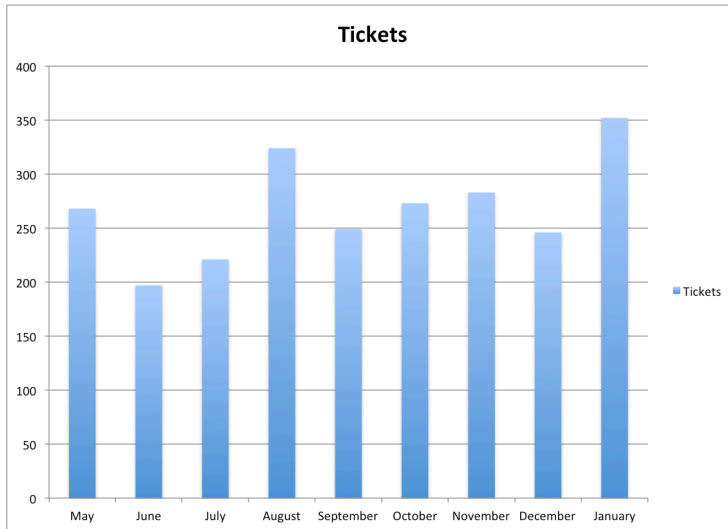
Tickets

Total Kayako Tickets since last UTC

	Closed	In Progress	On Hold	Open	Waiting for DAAC	Waiting for User	Total
ASDC	26	3		1	2		32
ASF	9	1	1				11
CDDIS	1						1
ECC	8						8
ECHO	5			1		1	7
Earthdata	11			1			12
Earthdata Search	9					1	10
FIRMS	2						2
GCMD	2	1		2			5
GES-DISC				2			2
GHRC	8						8
GIBS	1						1
LPDAAC	50	5	1	1	1	1	59
MODAPS	34					1	35
NSIDC				4			4

OB.DAAC	1			1			2
ORNL DAAC	12			1			13
PO.DAAC	11	1		4			16
PO.DAAC Forum	3			3			6
Rapid Response	2	1					3
Reverb	6			2			8
Sea Level Change				1			1
URS	72					6	78
UUI				2			2
Worldview	6			1		1	8
TOTAL	279	12	2	27	3	11	334

6. CMR/ECHO/Earthdata Search/MMT

System Status

System Issues

- None

Recent Metrics

Client usage

CMR query volume by client

	10/30/2016	11/06/2016	11/13/2016	11/20/2016	11/27/2016	12/04/2016	12/11/2016	12/18/2016	12/25/2016	01/01/2017	01/08/2017	01/15/2017	01/22/2017
EEAMS							23058	0	0	0	0	0	0
GCMD sync				24091	23823	21677	19200	18726	21226	23930	23881	23274	23642
LPDAAC Inventory Services				64709	122321	174968	54756	52196	211162	166051	179783	235040	214979
Legacy services		113440	106796	80054	82540	84186	81549	77327	75818	65920	82075	77559	86211
GITC	26872	32343	17858	0	0	0	0	0	0	0	0	0	0
Other	1324	1074	963	968	871	992	914	0	0	0	0	984	978
LPDAAC2DiskCLI	63	12	12	5	12	29	0	0	0	0	0	0	0
AUTDM2D	0	0	0	0	0	0	0	0	0	0	0	0	0
UAH	40	40	25	0	0	0	0	0	0	0	0	0	0
PUMP	0	0	0	0	0	0	0	0	0	0	0	0	0
AVAPC	0	35541	6219	12249	17251	12392	12392	0	12392	12392	12392	12392	12392
Worldview	1162	1486	736	0	0	0	0	0	0	0	0	0	0
GSFC54PA	0	0	0	0	0	0	0	0	0	0	0	0	0
GESDISC	0	0	0	0	0	0	0	0	116659	99070	119763	119763	122364
GMUCWICWrapper	0	0	0	0	0	0	0	0	0	0	0	0	0
Reverb	7527	153357	161990	159277	145362	146490	125282	0	104973	77578	116466	119264	129240
NASADATA	0	0	0	0	0	0	0	0	0	0	0	0	0
CWR CSW	0	58865	17449	15581	13737	15490	0	14744	12705	12961	17213	16718	0
EDSC DEV	0	0	0	0	0	0	0	0	0	0	0	0	0
GIBS	0	0	0	0	0	16020	0	0	0	0	0	0	0
Icebridge prod	0	0	0	0	0	0	0	0	0	0	0	0	0
LPDaac2Disk	0	0	0	0	0	0	0	0	0	0	0	0	0
CMR OpenSearch	74331	89894	1339907	70055	75944	69572	63037	48586	61007	49843	64580	84838	84387
GCMD KeywordSearch	13759	22436	14474	14630	14073	0	58522	12089	10578	11182	17314	35211	37977
EDSC PROD	1056798	928334	491718	475210	593226	650005	605090	460512	335960	119830	314564	354789	407635
Unknown	308370	202356	133835	389829	343865	265290	373689	291223	449742	484895	548249	366595	398975
ECHO	534841	627657	666054	573961	668712	639767	569443	531897	516808	513196	574024	600405	603019

Query Performance

CMR collection search performance

Time (ms)

	10/30/2016	11/06/2016	11/13/2016	11/20/2016	11/27/2016	12/04/2016	12/11/2016	12/18/2016	12/25/2016	01/01/2017	01/08/2017	01/15/2017	01/22/2017
95th Percentile	630	544	2096	739	539	508	425	458	450	329	453	491	491
99th Percentile	2672	2495	7293	2884	2678	2628	2359	2610	2514	1992	2571	2711	2687
50th Percentile	17	16	58	22	22	22	17	15	14	11	13	15	16

CMR granule search performance

Time (ms)

	10/30/2016	11/06/2016	11/13/2016	11/20/2016	11/27/2016	12/04/2016	12/11/2016	12/18/2016	12/25/2016	01/01/2017	01/08/2017	01/15/2017	01/22/2017
95th Percentile	1373	1302	2303	1695	1531	1617	1320	1385	1501	1385	1418	1504	1524
99th Percentile	2872	2938	9070	4319	3821	4079	3673	3916	3597	2794	3304	3730	3835
50th Percentile	93	99	220	152	137	134	129	132	150	141	137	157	146

CMR Release Status

PROD: 1.64

CMR-3628	UMM should not use "dummy" for any default values
CMR-3622	On ingest of new collection output the entry title of collection to the log file for DSR purposes
CMR-3561	robots.txt files are not being deployed
CMR-3551	As a Client User, I can ingest a granule referring to a platform alias defined in humanizers so that I can correct my collection metadata without invalidating granules.
CMR-2657	As a user I would like keyword (free text) searches to include the 'Related URL' field.

UAT: 1.65

CMR-3671	Temporal Relevancy Fails on Collections with Start Date of 1-1-1970
CMR-3659	Change UMM-C Collection Progress so that it is required.
CMR-3617	umm-spec-lib is not checking for documentation type of related urls correctly
CMR-3556	Discover and correct opendata export issues
CMR-3554	As a Client User, I can ingest a granule referring to a tile system alias alias defined in humanizers so that I can correct my collection metadata without invalidating granules.
CMR-3552	As a Client User, I can ingest a granule referring to an instrument alias defined in humanizers so that I can correct my collection metadata without invalidating granules.
CMR-3524	Generated ISO19115 data is using the wrong link for srsName
CMR-3498	Problem with multiple spatial and temporal extents from ISO
CMR-2651	As a user I would like keyword (free text) searches to include the Personnel field.
CMR-1354	Temporal Relevancy Heuristic

Earth Data Search Release Status

PROD: 1.34

EDSC-1280	Improve Multi-Temporal Range handling in EDSC
EDSC-1265	As a user, I should be able to submit an order containing more than 2000 granules so that I may more efficiently access data
EDSC-1200	EDSC Throws 500 error on health check due to bad certificate for hosts
EDSC-1183	Order of facet topics changes within session

UAT: 1.35

EDSC-1295	Remove sorting by entry title so that CMR's relevancy sorting can be leveraged.
EDSC-1281	Relevancy metrics should flag short name/long name/concept id searches
EDSC-764	Make tooltip for point search more clear
EDSC-757	"Retrieve Dataset Data" button language is not clear
ECHO-657	Modify Reverb to use https

Metadata Management Tool Release Status

PROD: 1.37

MMT-754	Chooser uses inconsistent response parsing to populate its fields
MMT-720	As a Provider, I want to view all provider object ACLs for an access control group associated with my provider.
MMT-719	As a CMR Administrator, I want to update system object ACLs for a system level access control group
MMT-718	As a CMR Administrator, I want to view all system object ACLs for a system level access control group.
MMT-697	Move MMT to current version of UMM-C schema
MMT-592	As a Provider, I want to create and view an order option with a plain text editor, using ECHO Forms XML.
MMT-590	As a Provider, I want to create and view a data quality summary.
MMT-566	As a Provider, I want to sort a list of my collections with their data quality summary assignments by collection shortname and version, or by data quality summary name.
MMT-565	As a Provider I want to view a list of my collections with their data quality summary assignments.
MMT-507	As a provider, I want to grant permissions to all of my collections to all members of an access control group.
MMT-155	As a Group Manager, I want to see a list of my access control groups.
MMT-129	As a Provider, I want to create and view an order policy for my Provider.

UAT: 1.38

MMT-765	Chooser url cannot include query params
MMT-721	As a Provider, I want to update provider object ACLs associated with access control groups for my provider.
MMT-599	As a Provider, I want to view a list of my collections and their order option associations.
MMT-596	As a Provider, I want to associate an order option with one or more of my collections.
MMT-593	As a Provider, I want to update an order option with a plain text editor, using ECHO Forms XML.
MMT-585	As a Provider, I want to give all members of an access control group delete permissions on a provider object.
MMT-584	As a Provider, I want to give all members of an access control group update permissions on a provider object.
MMT-583	As a Provider, I want to give all members of an access control group view permissions on a provider object.
MMT-582	As a Provider, I want to give all members of an access control group create permissions on a provider object.
MMT-567	As a Provider, I want to view a list of my collections which have no data quality summary assignments.
MMT-562	As a Provider, I want to assign a data quality summary to one or more collections.
MMT-133	As a CMR Administrator, I want to set the Secure Socket Layer (SSL) certificate for a Provider.

Upcoming PMs

📅 25 Jan 2017

- CMR 1.65 to PROD, 1.66 to UAT
- EDSC 1.35 to PROD, 1.36 to UAT
- MMT 1.38 to PROD, 1.39 to UAT
- ECHO 10.137 to OPS, 10.138 to PT

📅 26 Jan 2017

- PROD/OPS OS patching

  EI-5562 **(live)**

7. GIBS

Matthew Cechini

General Items

In Progress

- <u>Vectors</u> - Developing functional test plan for internal evaluation of GIBS vector prototype capability.
- <u>Multi-Day Products</u> - Numerous multi-day imagery products have been released to GIBS production, but cannot be included in Worldview until an issue with image download is resolved. Verification completed in the GIBS test environment and is being promoted to GIBS production this week. After a final evaluation period, the changes will be considered completed.
- <u>HTTPS-Only Transition</u> - Per agency requirements, GIBS is preparing for a transition to support HTTPS-only requests. A transition plan is being internally developed and will be made available in January 2017 for review.
- <u>ICD Appendix Baselining</u> - Updating existing GIBS ICD Appendix Google Doc

spreadsheets to comply with the updated (Rev A) Imagery Provider ICD document. Providers will be contacted individually to review the updated document in preparation for baselining in COMET.

Completed

- A joint GIBS & Worldview blog post was released announcing new GIBS imagery products and functionality improvements to Worldview.

New/Planned Products

In Progress

- MODIS Collection 6 - Atmosphere & Land Reprocessing
    - *Land L2 STD Reprocessing* - Completed DAAC/science team review. Now scheduling historical reprocessing to begin ASAP.
    - *Land L3* - Awaiting start of Land L2 STD Reprocessing.
- Non-BEDI Imagery Products - Actively working towards operationalization of the following products:
    - OMI NRT
        - Performing historical reprocessing of imagery to utilize the new colormaps.
        - Performing evaluation of forward processing in GIBS test environment.
    - MISR NRT
        - Awaiting imagery updates to address "bad" data pixels and subsequent imagery artifacts.
    - GPM Rain/Snow v4 Standard
        - Reviewing sample imagery from provider.
    - ORNL
        - Coordinating updates to Daymet imagery colormaps before production release.
    - SMAP
        - Working with provider to resume Level 1-3 imagery ingest for new imagery version.
    - MOPITT NRT
        - Awaiting resource prioritization.
    - OMPS NRT
        - Awaiting resource prioritization.
- BEDI Activities - Actively working towards operationalization of the following products:
    - AIRS - GESDISC
        - Beginning sample imagery generation for DAAC/Science Team review.
    - ASTER L1T - LPDAAC
        - Configuring GIBS systems to support forward and historical reprocessing (2016).
    - Aquarius/MEaSUREs/SSMI - NSIDC
        - Awaiting provider updates for NISE product geolocation issues.
    - Aquarius/MODIS PODAAC
        - Preparing final "sanity" check ingest testing before promotion to GIBS production.
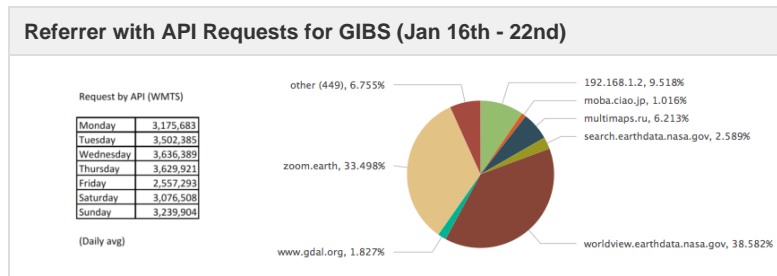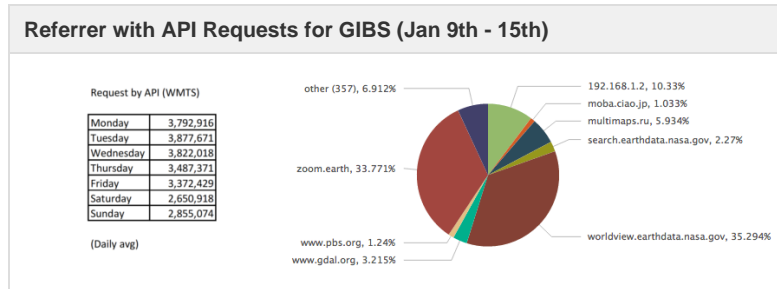
Completed

- MODIS C6 Atmosphere - Completed final reprocessing of MODIS C6 atmosphere imagery products. Imagery is available in GIBS production.
- MODIS C5 Atmosphere - Removing MODIS C5 atmosphere imagery products. Imagery has not been used since MODIS C6 reprocessing late in 2016.

Alex De Luca Jerome King

- **GIBS Production**
    - **Status**
        - OBPG issue with their http server. It has been resolved but it broke our handler.
        - Have not seen issues with partial MODIS C6 WM image generation issue.
        - On-going Uptrends performance alerts.
        - Completed addition of the VIIRS Day/Night Band products for Webmercator.
        - Planned maintenance for this Wednesday 01/25/17.

- - Continue training of our new hire, Tammy Ashraf.
- **Metrics**

Referrer with API Requests for GIBS (Jan 9th - 15th)

Request by API (WMTS)

Monday	3,792,916
Tuesday	3,877,671
Wednesday	3,822,018
Thursday	3,487,371
Friday	3,372,429
Saturday	2,650,918
Sunday	2,855,074

(Daily avg)

other (357), 6.912%
192.168.1.2, 10.33%
moba.ciao.jp, 1.033%
multimaps.ru, 5.934%
search.earthdata.nasa.gov, 2.27%
zoom.earth, 33.771%
worldview.earthdata.nasa.gov, 35.294%
www.pbs.org, 1.24%
www.gdal.org, 3.215%

Referrer with API Requests for GIBS (Jan 16th - 22nd)

Request by API (WMTS)

Monday	3,175,683
Tuesday	3,502,385
Wednesday	3,636,389
Thursday	3,629,921
Friday	2,557,293
Saturday	3,076,508
Sunday	3,239,904

(Daily avg)

other (449), 6.755%
192.168.1.2, 9.518%
moba.ciao.jp, 1.016%
multimaps.ru, 6.213%
search.earthdata.nasa.gov, 2.589%
zoom.earth, 33.498%
worldview.earthdata.nasa.gov, 38.582%
www.gdal.org, 1.827%

8. Worldview

Taylor Gunnoe Benjamin King

- Releases
  - Worldview 1.3.3, released Jan 18, 2017
- VIIRS Day/Night band added to worldview production
- Animation
  - Added a Worldview branding and date display option for exported GIFs in animation
  - Fixed bug that prevented borders and place names from being visible in animation GIFs
- Prototype of a dateline-wrapping feature
- Earth Observatory API updated to v2.1 from v1
- Work in progress
  - add tooltips to point out events on map
  - icons to represent different categories of events

9. Open Floor

a. http to https conversion (Kevin Lange)

Summary:

All EED2 services which are public to the Internet will be modified to be compliant with OMB directive (Memo M-15-13) that all public-facing sites and services be offered over HTTPS only. Most of our services already offer HTTPS as the default, but we need to ensure 100% compliance.

For all public services:

- HTTPS must be offered the default

- HTTP must be offered as well, but functions only to redirect to HTTPS

- The underlying SSL/TLS protocols must be restricted to a particular set to offer the best of security and client compatibility

From our tests, the protocols and ciphers offered by our services will permit access from a wide range of clients and versions. The most significant impact will be that Internet Explorer on Microsoft Windows XP will no longer be able to connect. Given that Windows XP is end of life, that should not be an issue.

b. Upcoming MMT beta testing for PUMP functionality, and plans for PUMP shutdown

 > PUMP shutdown is planned for April 30, due to limitations on current PUMP hardware

 > PUMP functionality will be handled in the future by MMT, URS, and Earthdata

 > Beta testing of PUMP functionality in MMT is scheduled to begin Feb 21

 > Please send Kathy the names of folks from your DAAC who wish to participate in the beta testing of PUMP functionality in the MMT